

## AMENDMENTS TO THE CLAIMS

1. (Currently amended) An optical disk device comprising:  
drive means for driving in rotation an optical disk having a wobbled track;  
irradiating means for irradiating a light beam onto the optical disk;  
light receiving means for receiving the light reflected from the optical disk and outputting an electric signal corresponding to the reflected light; and  
wobble signal reproducing means for reproducing, from the output electric signal of the light receiving means, a wobble signal corresponding to a wobble of the track, said wobble signal reproducing means including:
  - (a) detection means for detecting a center frequency of the wobble signal including:
    - (i) a band-pass filter having a pass band being set to pass the wobble signal within a range of driving in rotation of the optical disk by said drive means, and
    - (ii) a frequency detection means for detecting a frequency of the wobble signal which has passed through said band-pass filter, and
  - (b) extracting means for extracting the wobble signal from the output electric signal on the basis of the ~~center~~ frequency detected by ~~the~~ said frequency detection means.
2. (Canceled)
3. (Canceled)
4. (Original) The optical disk device according to Claim 1, wherein said drive means drives the optical disk at a constant angular velocity.
5. (Canceled)
6. (Canceled)

7. (Original) The optical disk device according to Claim 1, wherein said drive means drives the optical disk at a constant linear velocity and said detection means performs detection of the center frequency of the wobble signal immediately after a seek operation of said irradiating means.

8. (Canceled)

9. (Canceled)